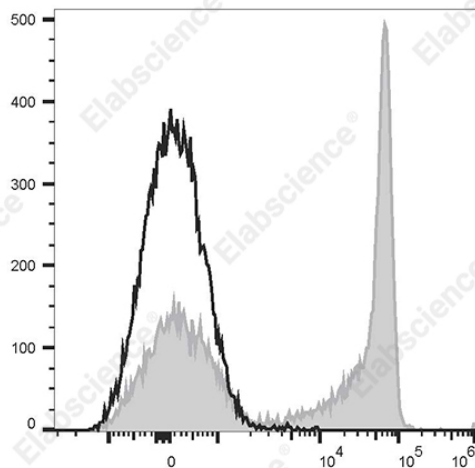


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| <b>Product name:</b> | PE/Cyanine5 Anti-Human/Monkey CD27 Antibody[O323]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Cat number:</b>   | MAB1140G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Conjugate:</b>    | PE/Cyanine 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Size:</b>         | 100 ug                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Clone:</b>        | O323                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Host:</b>         | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Isotype:</b>      | Mouse IgG1, $\kappa$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Reactivity:</b>   | Human;Rhesus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications:</b> | FCM Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 $\mu$ L of antibody per test (million cells in 100 $\mu$ L staining volume or per 100 $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.                                                                                                                                           |
| <b>Form:</b>         | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Buffer:</b>       | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage:</b>      | Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Background:</b>   | CD27 is a 50-55 kD type I membrane protein also known as S152 and T14. It is a lymphocyte-specific member of the TNF-receptor superfamily. CD27 is expressed on medullary thymocytes, virtually all mature T cells, some B cells, and NK cells. CD27 binds to CD70 and plays an important role in costimulation of T cell activation, and regulation of B cell differentiation and proliferation. The cytoplasmic domains of CD27 have also been shown to interact with TRAF2 and TRAF5 to elicit NF- $\kappa$ B and SAPK/JNK activation. |



Human peripheral blood lymphocytes are stained with PE/Cyanine5 Anti-Human/Monkey CD27 Antibody[0323] (filled gray histogram) or PE/Cyanine5 Mouse IgG1,  $\kappa$  Isotype Control (empty black histogram).